

ABSTRACT OF THE DISCLOSURE

5 A set of applications to facilitate mobile
communications and use of the Internet from an extended
handheld unit are bundled to allow the wireless
environment to be tailored to the handle the load imposed
by WEB surfing. The applications include a quick
connection to the server including security provisions,
validation of user and user device, resumption of
10 disconnected sessions, snapshot quantized information
delivery and the ability to display full motion video on
the screen of the handheld unit. In addition, fast
service for likely requested location specific
information, search narrowing before Web searching, user
15 behavior habit learning, consideration of Internet
contractual issues, a speedy search engine, an multiple
private databases connected by high speed interconnect
outside the Internet make searching more timely.
Reliability of information pages is assured by
20 authenticating the updates before they are placed in
local storage. Applications to implement this include
online authenticated snapshot update provisioning,
Internet page conversion tools, tailored Internet page
conversion tools, and Information Content Provider tools.
25 The tools learn based on the activities of the user,
moving often requested pages to high speed databases and
tailoring pages to the presentation device for faster
delivery. The system utilizes GSM, GPRS, 3G and Bluetooth
communications technologies, including allowing one
30 handheld unit to act as a server for other extremely
local handheld units.

230584